

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561,831  
Source: IFWP  
Date Processed by STIC: 12/30/2005

# ***ENTERED***



IFWP

**RAW SEQUENCE LISTING**

DATE: 12/30/2005

PATENT APPLICATION: US/10/561,831

TIME: 09:15:17

Input Set : A:\sequence listing.txt

Output Set : N:\CRF4\12302005\J561831.raw

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3 <110> APPLICANT: Asterion Limited
5 <120> TITLE OF INVENTION: Cytokine Variant Polypeptides
7 <130> FILE REFERENCE: 5585-72521-01
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/561,831
C--> 10 <141> CURRENT FILING DATE: 2005-12-21
12 <150> PRIOR APPLICATION NUMBER: 0315182.6
13 <151> PRIOR FILING DATE: 2003-06-28
15 <160> NUMBER OF SEQ ID NOS: 32
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 184
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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27 1 5 10 15
30 Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser His Asn
31 20 25 30
34 Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe Arg Lys
35 35 40 45
38 Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln Cys Arg Ser
39 50 55 60
42 Val Glu Gly Ser Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser
43 65 70 75 80
46 Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu
47 85 90 95
50 Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln
51 100 105 110
54 Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr Pro Ser
55 115 120 125
58 Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile
59 130 135 140
62 Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe Leu Arg
63 145 150 155 160
66 Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser Asn Val
67 165 170 175
70 Tyr Asp Leu Leu Lys Asp Leu Glu
71 180
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 576
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo sapiens
79 <400> SEQUENCE: 2

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80 gaggacttaa attaaataat gatccagacc ttaatgggcc gcctggaaga cggtagcccg      60
82 cggacgggac aaattttcaa acagacctat agtaaatttg atacgaacag ccataacgac      120
84 gatgctctac tgaaaaacta tggctctgctc tactgcttcc gcaaggatat ggataaagtt      180
86 gaaacctttc tgcgcatagt gcagtgtcga tctgtggagg gctccactat tcctctgtcc      240
88 cgcttggtcg acaatgcctc attacgtgca cacagattgc atcagcttgc ctttgatacg      300
90 taccaggagt ttgaagaagc gtatattccg aaggagcaaa aatactcttt tctgcaaaat      360
92 ccgcagacct cgctgtgctt cagtgaagc attccgactc catcgaaccg tgaggaaaca      420
94 cagcagaaat ccaatctgga actgcttcgt atcagcttac tgctcatcca aagctggttg      480
96 gaaccctgcc aattccttcg ttcagtgttt gcgaatagtc tgggttatgg ggcaagtgc      540
98 tctaacgtct atgatctgct gaaagatctc gaataa      576

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101 &lt;210&gt; SEQ ID NO: 3

102 &lt;211&gt; LENGTH: 185

103 &lt;212&gt; TYPE: PRT

104 &lt;213&gt; ORGANISM: Homo sapiens

106 &lt;400&gt; SEQUENCE: 3

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108 Met Glu Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro Arg
109 1          5          10          15
112 Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser
113          20          25          30
116 His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe
117          35          40          45
120 Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln Cys
121          50          55          60
124 Arg Ser Val Glu Gly Ser Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn
125 65          70          75          80
128 Ala Ser Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr
129          85          90          95
132 Gln Glu Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe
133          100         105         110
136 Leu Gln Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr
137          115         120         125
140 Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu
141          130         135         140
144 Arg Ile Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe
145 145          150         155         160
148 Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser
149          165         170         175
152 Asn Val Tyr Asp Leu Leu Lys Asp Leu
153          180         185

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156 &lt;210&gt; SEQ ID NO: 4

157 &lt;211&gt; LENGTH: 576

158 &lt;212&gt; TYPE: DNA

159 &lt;213&gt; ORGANISM: Homo sapiens

161 &lt;400&gt; SEQUENCE: 4

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162 gaggacttaa attaaataat ggaaatccag accttaatgg gccgcctgga agacggtagc      60
164 ccgcgggacg gacaaatttt caaacagacc tatagtaaatt ttgatacgaa cagccataac      120
166 gacgatgctc tactgaaaaa ctatgggtctg ctctactgct tccgcaagga tatggataaa      180
168 gttgaaacct ttctgcgcat agtgcagtgt cgatctgtgg agggctccac tattcctctg      240
170 tcccgttgtt tcgacaatgc ctcattacgt gcacacagat tgcatacagc tgcctttgat      300

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172 acgtaccagg agtttgaaga agcgtatatt ccgaaggagc aaaaatactc ttttctgcaa      360
174 aatccgcaga cctcgctgtg cttcagtgaag agcattccga ctccatcgaa ccgtgaggaa      420
176 acacagcaga aatccaatct ggaactgctt cgtatcagct tactgctcat ccaaagctgg      480
178 ttggaacccg tccaattcct tcgttcagtg tttgcgaata gtctgggtta tggggcaagt      540
180 gactctaacg tctatgatct gctgaaagat ctctaa      576
183 <210> SEQ ID NO: 5
184 <211> LENGTH: 184
185 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 5
190 Met Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro Arg Thr Gly
191 1 5 10 15
194 Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser His Asn
195 20 25 30
198 Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe Arg Lys
199 35 40 45
202 Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln Cys Arg Ser
203 50 55 60
206 Val Glu Gly Ser Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser
207 65 70 75 80
210 Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu
211 85 90 95
214 Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln
215 100 105 110
218 Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr Pro Ser
219 115 120 125
222 Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile
223 130 135 140
226 Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe Leu Arg
227 145 150 155 160
230 Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser Asn Val
231 165 170 175
234 Tyr Asp Leu Leu Lys Asp Leu Glu
235 180
238 <210> SEQ ID NO: 6
239 <211> LENGTH: 573
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <400> SEQUENCE: 6
244 gaggacttaa attaaataat gcagacctta atgggcccgc tggaagacgg tagcccgcgg      60
246 acgggacaaa ttttcaaaca gacctatagt aaatttgata cgaacagcca taacgacgat      120
248 gctctactga aaaactatgg tctgctctac tgcttccgca aggatatgga taaagttgaa      180
250 acctttctgc gcatagtgcg gtgtcgatct gtggagggct ccactattcc tctgtcccgc      240
252 ttgttcgaca atgcctcatt acgtgcacac agattgcac agcttgccct tgatacgtac      300
254 caggagtttg aagaagcgta tattccgaag gagcaaaaat actcttttct gcaaaatccg      360
256 cagacctcgc tgtgcttcag tgaaagcatt ccgactccat cgaaccgtga ggaaacacag      420
258 cagaaatcca atctggaact gcttcgtatc agcttactgc tcatccaaag ctggttgga      480
260 cccgtccaat tccttcgttc agtggttgcg aatagtctgg tttatggggc aagtgactct      540
262 aacgtctatg atctgctgaa agatctcgaa taa      573

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Input Set : A:\sequence listing.txt

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265 &lt;210&gt; SEQ ID NO: 7

266 &lt;211&gt; LENGTH: 187

267 &lt;212&gt; TYPE: PRT

268 &lt;213&gt; ORGANISM: Homo sapiens

270 &lt;400&gt; SEQUENCE: 7

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272 Met Cys Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro Arg
273 1          5          10          15
276 Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser
277          20          25          30
280 His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe
281          35          40          45
284 Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln Cys
285          50          55          60
288 Arg Ser Val Glu Gly Ser Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn
289 65          70          75          80
292 Ala Ser Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr
293          85          90          95
296 Gln Glu Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe
297          100         105         110
300 Leu Gln Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr
301          115         120         125
304 Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu
305          130         135         140
308 Arg Ile Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe
309 145         150         155         160
312 Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser
313          165         170         175
316 Asn Val Tyr Asp Leu Leu Lys Asp Leu Glu Cys
317          180         185

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320 &lt;210&gt; SEQ ID NO: 8

321 &lt;211&gt; LENGTH: 582

322 &lt;212&gt; TYPE: DNA

323 &lt;213&gt; ORGANISM: Homo sapiens

325 &lt;400&gt; SEQUENCE: 8

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328 ccgcggacgg gacaaatddd caaacagacc tatagtaaat ttgatacgaa cagccataac      120
330 gacgatgctc tactgaaaaa ctatgggtctg ctctactgct tccgcaagga tatggataaa      180
332 gttgaaacct ttctgcgcat agtgcaagtgt cgatctgtgg agggctccac tattcctctg      240
334 tcccgccttgt tgcacaatgc ctcattacgt gcacacagat tgcatacagc tgcctttgat      300
336 acgtaccagg agtttgaaga agcgtatatt ccgaaggagc aaaaataactc ttttctgcaa      360
338 aatccgcaga cctcgctgtg cttcagtgaa agcattccga ctccatcgaa ccgtgaggaa      420
340 acacagcaga aatccaatct ggaactgctt cgtatcagct tactgctcat ccaaagctgg      480
342 ttggaaccgg tccaattcct tcgttcagtg tttgcgaata gtctggttta tggggcaagt      540
344 gactctaacg tctatgatct gctgaaagat ctgaatgtt aa                    582

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347 &lt;210&gt; SEQ ID NO: 9

348 &lt;211&gt; LENGTH: 191

349 &lt;212&gt; TYPE: PRT

350 &lt;213&gt; ORGANISM: Homo sapiens

352 &lt;400&gt; SEQUENCE: 9

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354 Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg
355 1 5 10 15
358 Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe Glu
359 20 25 30
362 Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn Pro
363 35 40 45
366 Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg
367 50 55 60
370 Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Arg Ile Ser Leu
371 65 70 75 80
374 Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val
375 85 90 95
378 Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp
379 100 105 110
382 Leu Leu Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu
383 115 120 125
386 Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser
387 130 135 140
390 Lys Phe Asp Thr Asn Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr
391 145 150 155 160
394 Gly Leu Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe
395 165 170 175
398 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
399 180 185 190
402 <210> SEQ ID NO: 10
403 <211> LENGTH: 573
404 <212> TYPE: DNA
405 <213> ORGANISM: Homo sapiens
407 <400> SEQUENCE: 10
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410 caccagctgg cctttgacac ctaccaggag tttgaagaag cctatatccc aaaggaacag 120
412 aagtattcat tcctgcagaa cccccagacc tccctctgtt tctcagagtc tattccgaca 180
414 ccctccaaca gggaggaaac acaacagaaa tccaacctag agctgctccg catctccctg 240
416 ctgctcatcc agtcgtggct ggagcccgtg cagttcctca ggagtgtctt cgccaacagc 300
418 ctggtgtacg gcgcctctga cagcaacgtc tatgacctcc taaaggacct agaggaaggc 360
420 atccaaacgc tgatggggag gctggaagat ggcagcccc ggactgggca gatcttcaag 420
422 cagacctaca gcaagttcga cacaactca cacaacgatg acgcactact caagaactac 480
424 gggctgctct actgcttcag gaaggacatg gacaaggtcg agacattcct gcgcatcgtg 540
426 cagtgccgct ctgtggaggg cagctgtggc ttc 573
429 <210> SEQ ID NO: 11
430 <211> LENGTH: 638
431 <212> TYPE: PRT
432 <213> ORGANISM: Homo sapiens
434 <400> SEQUENCE: 11
436 Met Asp Leu Trp Gln Leu Leu Leu Thr Leu Ala Leu Ala Gly Ser Ser
437 1 5 10 15
440 Asp Ala Phe Ser Gly Ser Glu Ala Thr Ala Ala Ile Leu Ser Arg Ala
441 20 25 30
444 Pro Trp Ser Leu Gln Ser Val Asn Pro Gly Leu Lys Thr Asn Ser Ser

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**VERIFICATION SUMMARY**

DATE: 12/30/2005

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Input Set : A:\sequence listing.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date